

LCD2USB USB/RS232 2002 VFD Module Model No.: SUV2002A



Reference Software & Driver











Specification of LCD2USB VFD Module



FEATURES OF THIS VFM

High Brightness Blue-Green Display Wider viewing angle 20 characters by 2 lines 5X7 dot matrix High speed USB/RS232 interface 29 kinds of language supported CD5220, EPSON POS, Aedex, etc Operating Temp -30 C to +70 C

OPTICAL & ENVIRONMENTAL SPECIFICATIONS

Single +5V Supply

Parameter	Value
Display Size (W*H)	106.3X19 mm
Number of Characters	20 Characters X 2 Lines
Character Size (W*H)	3.7X6.7 mm
Dot Size	0.5X0.7 mm
Operating Temperature	-30℃ to +70℃
Storage Temperature	-40℃ to +85℃
Humidity (Operating)	30 to 85 (%)
Humidity (Non-operating)	95 (%)
Vibration (10~55Hz)	0.5(Displacement) mm
Shock	40G(Max)
Weight	80g

CONNECTOR INTERFACE

R	S232 CN1	USB CN5		
No.	Description	No.	Description	
1	GND	1	Vbus(5VDC)	
2	TXD	2	D-	
3	RXD	3	D+	
4	CTS	4	GND	
5	RTS			
6	5VDC	2		



SPECIFICATION

Command Mo	de	CD5220, EPSON POS, AEDEX, UTC/S, UTC/E, ADM788, DSP800 EMAX, LOGIC CONTROL			
Language Support (Total:29) OPOS		1,U.S.A; 2,FRANCE; 3, GERMANY; 4,U.K; 5,DENMARK I; 6,DENMARK II; 7,SWEDEN; 8,ITALY; 9,SPAIN; 10,JAPAN; 11,NORWAY; 12,SLAVONIC; 13,RUSSIA; 14,PORTUGUESE; 15, ARABIC; 16, GREEK ; 17,Nordic; 18,Croatian ; 19, Bosnia; 20,Hungarian; 21,Romanian; 22,Czech; 23,Bulgaria; 24,Finnish; 25,Turkish; 26,Hebrew; 27,Polish; 28,Baltic; 29,Canadian French.			
		EPSON OPOS (USB Interface only) & Microsoft OPOS			
Interface		RS232(Serial) / USB			
Connection	Baud rate	Direct connection 9600 or 19,200 bps			
Reliability	MTBF	30,000 hours			
Power	Consumption	USB 5V or DC 5V			





www.surenoo.com www.surenoo.tech





How to work on LCD Smartie?

1. Connect USB VFD to PC, Open "Device Manager", you can find connect Port is "COM8".

📕 设备管理器		×
文件(F) 操作(A) 查看(V) 帮助(H)		
🗢 🔿 🖬 😰 🖬 💯		
✓ ASUS		^
> 🖉 DVD/CD-ROM 驱动器		
> 🦏 IDE ATA/ATAPI 控制器		
> 🧧 便携设备		
> 🗖 处理器		
> 🔜 磁盘驱动器		
> 🚰 存储控制器		
> 💼 打印队列		
> 古打印机		
✓ 算 端口 (COM 和 LPT)		
🛱 Prolific USB-to-Serial Comm Port (COM8)		
💭 打印机端口 (LPT1)		
💭 通信端口 (COM1)		
> 🔜 计算机		
> 🛄 监视器		
> 🔤 键盘		
> 🚯 蓝牙		
> 🦏 人体学输入设备		
> 📓 软件设备		
> 🖬 声音、视频和游戏控制器		
> 🕕 鼠标和其他指针设备		
> 🏺 通用串行总线控制器		
> 🚽 网络适配器		~

2. Open "LCD Smartie", set Startup Parameters to "COM8, 9600", It'll be OK now.

TrackTitle Channels (stereo/mono) kbps (KHz Current Status Position(10) (bar) Time (hrs + min + sec) (long) Time (hrs + min + sec) (short) Time (seconds) Remaining (hrs + min + sec) (short) Remaining (hrs + min + sec) (short) Remaining Time (seconds) Total length (hrs + min + sec)(short) Total length (hrs + min + sec)(short) Total length (seconds) playlist number of current track total tracks in playlist	Wina	Folding@Home Email Network Stats	Screens Actions Startup/Shutdown Program settings Display settings	
	np Sysinfo MBM Gamestats		Refresh interval (milliseconds): 150 ↓ Scroll interval (milliseconds): 300 ↓ Color scheme: White ✓ Emulate LCD (more CPU intensive) ↓ ↓ Web proxy server: ↓ ↓ Web proxy port: 0 ↓ Screens settings ↓ ↓ Screen: 1 ↓ ↓ Time to show: ⑧ ↓ ↓ Sticky Skip this screen if: Winamp is inactive	matrix.dll Jolay DLL v1.2 eters: 00 or USB Don't Continue Center on bon't Continue Center this next this next this next this next
	Internet	Misc.	SURENOO DISPLAY	
Winamp.exe location: C:\Program Files\Winamp\wina	Seti@H	LCD Feat		

How to work on AIDA64?

1. Run "AIDA64" from download software.



- 2. Select "Files / Preferences...", enter setting surface.
- 3. Select "POS", COM Select "COM8" & "Epson ESC/POS".

64 Preferences - AIDA64	- 🗆 X
Search LCD -	
Language General Layout Stability Peport E-mail Database Summary Custom Variables Content Filtering Custom Components Asset Profile Asset Profile File Scanner Custom Programs File Scanner Hardware Monitoring Hardware Monitoring ODD	Abacom Acer Adafruit AlphaCool Aquaero AX206 BeadaPanel BWCT CH424 Crystalfontz ct-Mausekino Cwlinux Dangerous Prototypes Digital Devices EastRising EVGA Futaba GLCD2USB Gravitech IkaLogic LCD2USB LCDInfo LCD Smartie Leo Bodnar Logitech Arx Logitech G15/G19 LPT Mad Catz Matrix Orbital EVE Matrix Orbital GLK Matrix Orbital GTT Matrix Orbital GX Matrix Orbital LK Modding-FAQ nMedia Noteu Odospace RoboPeak Roccat Saitek Samsung SDC Megtron SoundGraph iMon LCD SoundGraph iMon VFD SpikenzieLabs SteelSeries Sure Trefon UCSD USB2LCD+ VL System LIS VL System LIS 2 Wallbraun Yoctopuce Odroid Pertelian Phidget picoLCD POS Pyramid Razer RemoteSensor COM port: COM8
Desktop Gadget ELCD LCD Items LCD Options SensorPanel RGB LED	API: POS POS Init OK Interface: RS232
	OK Cancel Apply





64 Preferences - AIDA64		<u>~</u>		×
Search Language 	LCD Items POS 20 x 2 characters Monochrome Export Import Import			
 Report Report E-mail Database Summary Custom Variables Content Filtering Custom Components Asset Profile Remote Features Custom Programs File Scanner Network Alerting Hardware Monitoring Sensor Icons OSD 	Page 1 Page 2 Page 3 Page 4 Page 5 Page 6 Page 7 1 1 LCD ttem Type X, Y □ CPU System 0, 0 ☑ CPU System 0, 1 2 1 px 2 2			
 Desktop Gadget E LCD E LCD Items LCD Options SensorPanel RGB LED Logging External Applications Alerting Correction Hot Keys 	New Modify Delete Hide Dupligate Move Up Move Down	ncel	Ар	ply

4. Select "LCD Project", you can set the display content by yourself.

5. Click "Apply", VFD will display as following picture.

